

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Kevin L. Parsons	Art Unit.:	3677
Serial No.:	10/684,970	Confirmation No.:	9957
Filed:	October 14, 2003	Examiner:	Andre L. Jackson
For:	LEVERAGED BATON CAP		
Attorney			
Docket No.:	90054		

AMENDMENT UNDER 37 C.F.R. §§ 1.111 AND 1.121

Commissioner for Patents
Mail Stop AMENDMENT
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the non-Final Official Action dated November 14, 2005, applicant, through his undersigned attorneys, requests reconsideration of the subject application pursuant to entry of the following amended claims and the remarks that follow.

IN THE CLAIMS

In accordance with Rule 37 C.F.R. 1.121, please amend the claims in accordance with the following LISTING OF CLAIMS wherein the amended claims are indicated as "original", "currently amended", "cancelled", "withdrawn", "new" "previously presented", or "not entered" as the case may be. In accordance with the Rules, the text of cancelled and not entered claims is not presented.

LISTING OF CLAIMS

1. (Currently amended) A leverage end cap for use on a baton having a generally cylindrical elongated handle portion defining the longitudinal axis of the baton and adapted to be grasped in a user's hand, the handle having a proximal end and an opposite distal end, the leverage end cap comprising:

a unitary body defining a longitudinal axis and having an enlarged knob end;

said body having an opposite integral longitudinally extending generally cylindrical end ~~having a of an external surface~~ diameter similar to the cylindrical handle portion of the baton and adapted for attaching the cap to the baton at the proximal end of the baton in substantially axial alignment therewith, and

said body further having a reduced diameter circumferential groove of generally U-shaped concave profile intermediate and contiguous to both said knob and attaching ends and configured and sized to receive the little finger of the user's hand in generally wrapped relation with the knob engaging the base of the user's hand adjacent the little finger during use such that and with at least the pointing finger of the user's hand ~~wraps~~wrapping about and ~~grips~~gripping the handle portion of the baton so as to firmly grip the baton adjacent the proximal end of the baton, whereby during use the end cap creates a fulcrum point at the user's little finger, increases the effective moment arm of the baton, and prevents axial release of the baton from the user's grip.

2. (Previously presented) The leverage end cap of claim 1, wherein the knob is generally hemispheric in shape.

3. (Previously presented) The leverage end cap of claim 2, wherein the generally hemispheric knob defines a generally flattened exposed end surface.

4. (Previously presented) The leverage end cap of claim 3, wherein a distal end of the knob defines the circumferential groove of concave profile.

5. (Previously presented) The leverage end cap of claim 1, wherein said opposite end of said body includes an internal thread for cooperative axial engagement with an externally threaded proximal end of the baton.

6. (Previously presented) The leverage end cap of claim 5, wherein the generally cylindrical and knob ends of the cap are formed integral with the circumferential groove portion.

7. (Previously presented) The leverage end cap of claim 1, wherein the enlarged knob end defines a means for holding a decorative element.

8. (Currently amended) A leverage end cap for use on an expandable baton having an elongated generally cylindrical handle defining the longitudinal axis of the baton and adapted to receive at least one internal telescoping section extendable from a distal end of the handle, the end cap, comprising consisting of:

a unitary body having an enlarged knob defining a proximal end of the end cap;

said body having a ~~threaded cylindrical segment~~ distal end having a diameter similar to the diameter of the elongated baton handle but of a substantially smaller external diameter than said knob and configured to releasably attach the end cap generally axially to the baton handle at a threaded proximal end of the baton handle, and

said body having an annular ~~tapered neck portion~~ groove of generally U-shaped concave profile and disposed between and contiguous to said knob and said cylindrical ~~segment~~ distal end, said ~~neck portion being sized groove having a minor transverse cross-sectional area substantially less than the cross-sectional area of said distal end of said body~~ to receive the little finger of a user's hand in wrapped relation about said ~~neck portion~~ groove so that the little finger is captured between said knob and cylindrical ~~segment~~ distal end, said end cap having a longitudinal length such that at least the pointing finger of the user's gripping hand can grip a proximal end portion of the baton handle whereby the baton can be held firmly adjacent the proximal end of the baton handle with the leverage end cap creating an increased leveraged moment arm fulcrum at the annular groove.

9. (Previously presented) The leverage end cap of claim 8, wherein the knob is generally hemispheric in shape.

10. (Previously presented) The leverage end cap of claim 9, wherein the generally hemispheric knob defines a proximal end and a distal end, the proximal end being flattened.

11. (Cancelled)

12. (Previously presented) The leverage end cap of claim 8, wherein the cylindrical segment has an internal threads surface for cooperative engagement with a baton handle having an externally threaded proximal end segment.

13. (Currently amended) The leverage end cap of claim 12, wherein the cylindrical segment and knob are formed integral with the ~~tapered neck~~ annular groove portion.

14. (Previously presented) The leverage end cap of claim 8, wherein the knob defines a means for holding a decorative element.

15. (Currently amended) A method of ~~enhancing~~increasing the use of ~~leverage impact force obtainable with~~ a baton having an elongated hand-graspable generally cylindrical handle defining the longitudinal axis of the baton and having a proximal end and a distal end, said method including the steps of:

providing a leverage end cap having a unitary body defining an enlarged proximal end knob, a generally hour-glass shaped annular ~~neck-portion~~groove contiguous to said end knob and having a minor diameter substantially smaller than the end knob, and a generally cylindrical distal end contiguous to said ~~neck-portion~~groove and having a diameter generally similar to the diameter of the baton handle and greater than the minor diameter of said groove, said distal end defining means for attachment to the proximal end of the baton handle;

attaching the leverage end cap to the proximal end of the baton so that the end cap is generally axially aligned with the baton;

grasping the baton such that the little, or pinky, finger of the user's baton-holding hand is received in and wraps about the ~~neck-portion~~annular groove of the leveraged baton cap such that the end knob abuts the hand adjacent the little finger with at least one of the remaining fingers of the hand wrapped about the baton on or adjacent the end cap; and

maintaining said grasp throughout use of the baton.

16. (Previously presented) The method of claim 15, including the step of providing cooperative threadings within the leverage end cap and on the proximal end of the baton such that the baton and end cap can be releasably and rotatably connected.

17. (Canceled)

18. (Previously presented) A leveraging end cap for use with an expandable baton having an elongated generally cylindrical tubular handle section defining the longitudinal axis of the baton and having a proximal end and an opposite distal end, the proximal end having a peripheral thread thereon adapted to receive the end cap in mounted relation thereon;

said leveraging end cap including a unitary body having a first end adapted for releasable threaded engagement with the peripheral thread on the proximal end of the baton handle section so that the leveraging end cap is substantially axially aligned with the baton handle, said leveraging end cap having an enlarged knob second end and defining a

circumferential reduced diameter curvilinear surface between and contiguous to said first and second ends of said leveraging end cap, said curvilinear surface being sized to establish a finger grip to receive only the small finger of a user's hand in wrapped relation thereon when the proximal end of the baton handle is grasp in the user's hand, said leveraging end cap being operative to create a greater effective impact force moment for the baton when grasp by the user's hand than obtained when the tubular handle is grasp generally midlength thereof.

19. (Previously presented) A leveraging end cap as defined in Claim 18 wherein the knob end of the end cap is sized to engage the lateral outermost surface of the user's little finger when wrapped about the circumference curvilinear surface so as to prevent axial slippage of the baton from the user's hand during use.

20. (New) A method for increasing the leverage force obtainable with an elongated baton having a generally cylindrical handle defining a longitudinal axis and opposite proximal and distal ends with the proximal end enabling gripping in the palm of a user's hand, said method comprising:

providing a leverage end cap having a unitary body defining a longitudinal axis and having a first end of a transverse cross section of substantially similar size to the transverse cross section of the proximal end of the baton handle, said first end including means for releasably securing it to the proximal end of the baton in substantially axially aligned relation therewith, said leverage cap having an opposite second end defined by an enlarged knob having a substantially greater peripheral size than said first end, said cap having a circumferential groove of generally U-shaped concave profile between and contiguous to said first end and said knob end and having a minor transverse cross-sectional area substantially less than the cross-sectional area of said first end,

securing the first end of the leverage end cap to the proximal end of the baton, and gripping the leverage end cap with one's hand such that the little finger of the hand is received within the circumferential groove and at least partially wraps the groove so that the knob engages the surface of the hand adjacent the little finger and prevents slippage of the hand in the direction of the knob and at least the first finger of the user's hand encircles the proximal end of the baton handle to thereby create an extended lever fulcrum at the little finger when manipulating the baton to impact an object.

21. (New) The method as defined in claim 20 wherein the step of securing the first end of the leverage cap to the proximal end of the baton includes connecting said first end of the cap to the baton by a threaded connection.

22. (New) A baton in combination with a leverage end cap enabling an increase in leverage force obtainable during manipulation of the baton to impact an object, said baton having a generally cylindrical handle defining a longitudinal axis and opposite proximal and distal ends with the proximal end enabling gripping in the palm of a user's hand, said leverage end cap having a unitary body defining a longitudinal axis and having a first end of a transverse cross section of substantially similar size to the transverse cross section of the proximal end of the baton handle, said first end being secured to the proximal end of the baton in substantially axially aligned relation therewith, said leverage cap having an opposite second end defined by an enlarged knob having a substantially greater peripheral size than said first end, said cap having a circumferential groove of generally U-shaped concave profile between and contiguous to said first end and said knob end and having a minor transverse cross sectional area substantially less than the cross-sectional area of said first end so that gripping the leverage end cap with one's hand such that the little finger of the hand is received within the circumferential groove and at least partially wraps the groove with the knob engaging the surface of the hand adjacent the little finger to prevent slippage of the hand in the direction of the knob and at least the first finger of the user's hand encircles the proximal end of the baton handle creates an extended lever fulcrum at the little finger when manipulating the baton to impact an object.